1	L Number	Hits	Search Text	DB	Time stamp
Second S		1	("200235511").PN.	USPAT;	2003/04/15
2	-	_	,,	US-PGPUB;	
1	i			EPO; JPO;	
2					
1	1				
3	2	86	((434/112-117).CCLS.) and pins	USPAT	
(trubber polymer elastomer) 11:26 22 ((434/112-117).CCLS.) and pins and (rubber elastomer) 10:30/30/4/15 10:30/30/4/					
4 22	3	24		USPAT	,
(rubber elastomer) 11:08 (1434/112-117).CCLS.) and pins and ((rubber elastomer) with layer) 11:19 (1434/112-117).CCLS.) and pins and USPAT 2003/04/15 11:20 USPAT 2003/04/15 11:21 USPAT 2003/04/15 11:45 USPAT 2003/04/15 11:21 USPAT 2003/04/	1.			110 D 3 M	
1	4			USPAT	
((rubber elastomer) with layer) ((d34/112-117).CCLS.) and pins and "SPAT 2003/04/15 11:20 produlus of elasticity" USPAT 2003/04/15 11:20 production of the morphastic polyolefin and elastic USPAT 2003/04/15 11:21 production of the membrane of the morphastic polyolefin and elastic USPAT 2003/04/15 11:21 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:21 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane of the morphastic polyolefin and USPAT 2003/04/15 11:25 production of the membrane	_	2		ווכ האת	
Compared	3	٦		USPAI	
11:20	6	٥		USPAT	
7	~			001111	
B	7	0		USPAT	
8					
9 0 "modulus of elasticity"	8	0		USPAT	2003/04/15
10			_	•	11:20
1069	9	0	"modulus of elasticity"	USPAT	
11:21	1				
11	10	1069	"thermoplastic polyolefin"	USPAT	
11:21					
12	1 11	46	"tnermoplastic polyoletin" same elastic	USPAT	
With (layer membrane)	12	7	"thormonlastis nolvolofin" same olastis	IICDAT	
1	14	'		OPENI	
14	13	1		ייבקאוו	
14	**	_	0000201(pm)	001111	1
((rubber polymer elastomer) same thickness)	14	2	((434/112-117).CCLS.) and pins and	USPAT	
16					11:28
Dolymer elastomer) same modulus 11:45 2003/04/15 12:20 12:20 12:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:20 13:45 13:46					
17	16	2		USPAT	
18	1.5		polymer elastomer) same modulus)		
18	1 /	10	((434/112-11/).CCLS.) and electrostatic	USPAT	
19	10	41	///2//112 117) CCIS) and mismoslestmin	HCDAT	
19	10	41	((434/112-117).ccbs.) and prezoerectric	OSFAI	, · · · · · · · · · · · · · · · · · · ·
microelectromechanical ((434/112-117).CCLS.) and electromechanical electromechanical ((434/112-117).CCLS.) and micro and electromechanical (11:52	19	1	((434/112-117).CCLS.) and	USPAT	
electromechanical		_			
21 6 ((434/112-117).CCLS.) and micro and electromechanical 11:52 15 1 ((434/112-117).CCLS.) and pins and ((rubber polymer elastomer) same modulus) braille and electrostatic with actuate 24 0 braille and electrostatic same pins 2003/04/15 12:21 25 6 braille and electrostatic and pins 25 USPAT 2003/04/15 12:21 26 6 braille and electrostatic and pins 27 USPAT 2003/04/15 12:21 27 0 "electrostatic actuator" 2003/04/15 12:21 28 6 (434/112-117).CCLS.) and braille 27 USPAT 2003/04/15 12:23 28 6 (434/112-117).CCLS.) and microcontroller 28 (434/112-117).CCLS.) and microcontroller 30 USPAT 2003/04/15 12:53 29 1 ((434/112-117).CCLS.) and microvalves 29 USPAT 2003/04/15 12:54 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("5228859") or ("4985692") or ("4985692") or ("4985693")	20	35	((434/112-117).CCLS.) and	USPAT	2003/04/15
electromechanical	İ				
15	21	6		USPAT	
((rubber polymer elastomer) same modulus) 12:11 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 12:21 2003/04/15 2003/04/15 12:23 27 0 "electrostatic actuator" and braille USPAT 2003/04/15 12:23 26 367 "electrostatic actuator" USPAT 2003/04/15 12:27 28 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:53 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 12:54 2003/04/15 12:54 2003/04/15 12:54 2003/04/15 13:19 2003/04/15 2003	1	_			
23	15			USPAT	
24 0 braille and electrostatic same pins	23	_		IISDAT	
24 0 braille and electrostatic same pins USPAT 2003/04/15 12:21 25 6 braille and electrostatic and pins USPAT 2003/04/15 12:21 22 61 braille and electrostatic USPAT 2003/04/15 12:23 27 0 "electrostatic actuator" and braille USPAT 2003/04/15 12:23 26 367 "electrostatic actuator" USPAT 2003/04/15 12:23 28 6 (434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:27 29 1 (434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:53 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("54853012") or ("5366050") or ("5496174") or ("5486199") or ("5222895") or ("4985692") or ("4985692") or ("4836784") or ("4586903") or	23		DIATITE and electiostatic with actuate	JULAI	
25 6 braille and electrostatic and pins 22 61 braille and electrostatic 27 0 "electrostatic actuator" and braille 28 367 "electrostatic actuator" 29 ((434/112-117).CCLS.) and microcontroller 29 1 ((434/112-117).CCLS.) and microvalves 29 1 ((434/112-117).CCLS.) and microvalves 30 1 "6354839" 31 (("5842867") or ("5766013") or ("5685721") or ("5786055") or ("5496174") or ("5486199") or ("55222895") or ("4985692") or ("4836784") or ("4586903") or	24	0	braille and electrostatic same pins	USPAT	
25 6 braille and electrostatic and pins USPAT 2003/04/15 12:21 22 61 braille and electrostatic USPAT 2003/04/15 27 0 "electrostatic actuator" and braille USPAT 2003/04/15 12:23 26 367 "electrostatic actuator" USPAT 2003/04/15 12:23 28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:27 28 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 30 1 "6354839" USPAT 2003/04/15 31 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("522895") or ("4985692") or ("4985692") or ("4836784") or ("4586903") or					
22 61 braille and electrostatic USPAT 2003/04/15 27 0 "electrostatic actuator" and braille USPAT 2003/04/15 26 367 "electrostatic actuator" USPAT 2003/04/15 28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 30 1 "6354839" USPAT 2003/04/15 31 13 (("5842867") or ("5766013") or ("5496174") or ("5453012") or ("5366050") or ("5496174") or ("5286199") or ("5222895") or ("4985692") or ("4985692") or ("4836784") or ("4586903") or	25	6	braille and electrostatic and pins	USPAT	2003/04/15
27 0 "electrostatic actuator" and braille USPAT 2003/04/15 26 367 "electrostatic actuator" USPAT 2003/04/15 28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 30 1 "6354839" USPAT 2003/04/15 31 13 (("5842867") or ("5766013") or ("5685721") or ("5580251") or ("5496174") or ("5496174") or ("5222895") or ("4985692") or ("4985692") or ("49856784") or ("49856903") or					
27 0 "electrostatic actuator" and braille USPAT 2003/04/15 12:23 26 367 "electrostatic actuator" USPAT 2003/04/15 12:27 28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:53 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 12:53 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	22	61	braille and electrostatic	USPAT	
26 367 "electrostatic actuator" USPAT 2003/04/15 28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 30 1 "6354839" USPAT 2003/04/15 31 13 (("5842867") or ("5766013") or ("5685721") or ("5580251") or ("5496174") or ("5453012") or ("5366050") or ("4985692") or ("4836784") or ("4586903") or	0.7	_	H-1	,,,,,,,,,	1
26	2 /	0	relectrostatic actuator and braille	USPAT	1
28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:53 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 12:54 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	26	367	"electrostatic actuator"	ייי מקצוו	1
28 6 ((434/112-117).CCLS.) and microcontroller USPAT 2003/04/15 12:53 29 1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 12:54 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	20	307	electiostatic actuator	USIAI	
1 ((434/112-117).CCLS.) and microvalves USPAT 2003/04/15 12:54 30 1 "6354839" USPAT 2003/04/15 12:54 31 13 (("5842867") or ("5766013") or ("5496174") or ("5685721") or ("5580251") or ("5496174") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	28	6	((434/112-117).CCLS.) and microcontroller	USPAT	1
1 "6354839" USPAT 2003/04/15 1 (("5842867") or ("5766013") or ("5685721") or ("5580251") or ("5496174") or ("5453012") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or					
30 1 "6354839" USPAT 2003/04/15 31 13 (("5842867") or ("5766013") or ("5496174") or ("5453012") or ("5366050") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	29	1	((434/112-117).CCLS.) and microvalves	USPAT	
13 (("5842867") or ("5766013") or ("5496174") or ("5453012") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or					,
31	30	1	"6354839"	USPAT	
("5685721") or ("5580251") or ("5496174") or ("5453012") or ("5366050") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or]		//850400678) (857660108)	HCDAM	1
or ("5453012") or ("5366050") or ("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or	21	13		USPAT	1
("5286199") or ("5222895") or ("4985692") or ("4836784") or ("4586903") or					13.15
or ("4836784") or ("4586903") or			("5286199") or ("522895") or ("4985692")		
			or ("4836784") or ("4586903") or		
1 1 1 000000 1 / / * * * * * * * * * * * * * * * * *			("3659354")).PN.		

Search History 4/15/03 1:25:23 PM Page 1

_	488	(434/112-117).CCLS.	USPAT	2003/03/24
				17:20
_	1	("6354839").PN.	USPAT	2003/03/24
	i		,	16:55
_	1	((434/112-117).CCLS.) and	USPAT	2003/03/24
		microelectromechanical		17:21
-	5	((434/112-117).CCLS.) and valves	USPAT	2003/04/15
			i	11:07
-	0	((434/112-117).CCLS.) and	USPAT	2003/03/24
		electromechanical with valves		17:21
-	35	((434/112-117).CCLS.) and	USPAT	2003/03/24
1		electromechanical		17:23
-	7	((434/112-117).CCLS.) and elastomeric	USPAT	2003/03/24
				17:23
-	89	((434/112-117).CCLS.) and flexible	USPAT	2003/03/24
				17:27
-	406	(340/407.1, 407.2).CCLS.	USPAT	2003/03/24
				17:30